What is claimed is:

- 1. An optical fiber grating part comprising; an elongated pedestal, and
- a base plate installed on said pedestal, and having a different coefficient of liner thermal expansion from said pedestal, and an optical fiber passing through said pedestal, and connected to connection points installed on said pedestal or said base plate located apart from each other in the longitudinal direction of said pedestal, and having an optical fiber
- grating located between said connection points,
 wherein a predetermined tensile force is added to said optical fiber grating,
 and
 - said pedestal and said base plates thermally expand or thermally shrink independently in the longitudinal direction of said pedestal, and
- an extension line of an axis of said optical fiber joining said connection points passes through a contact surface between said pedestal and said base plate.
 - 2. An optical fiber grating part comprising; an elongated pedestal, and
- a base plate installed on said pedestal, and having a different coefficient of liner thermal expansion from said pedestal, and an optical fiber passing through said pedestal, and connected to connection points installed on said pedestal or said base plate located apart from each other in the longitudinal direction of said pedestal, and having an optical fiber grating located between said connection points,
 - wherein a predetermined tensile force is added to said optical fiber grating, and
 - said pedestal and said base plates thermally expand or thermally shrink independently in the longitudinal direction of said pedestal, and

an offset distance between said connection point and a contact surface of said pedestal and said base plate is minimized.

- 3. The optical fiber grating part as claimed in claim 1 or 2, wherein a pair of said base plates are installed apart from each other in the longitudinal direction of said pedestal and each said base plate has said connection points respectively.
- 4. The optical fiber grating part as claimed in any one of claim 1 to 3, wherein a dimension of said connection part is 1.0015 times or more larger than that of said connection concavity in the longitudinal direction of said pedestal.
- 5. The optical fiber grating part as claimed in any one of claim 1 to 3, wherein said connection part is assembled with said connection concavity with press fitting.
- 6. The optical fiber grating part as claimed in any one of claim 1 to 3, wherein said connection part is assembled with said connection concavity with freeze fitting.
- 7. The optical fiber grating part as claimed in any one of claim 1 to 3, wherein said pedestal is made of the inber and said base plate is made of aluminum.

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